Troubleshooting Incandescent Christmas Light Strings

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Plug in string and see if it lights

Unplug string and count bulbs. Inspect for loose or missing bulbs, Wiggle bu see if they are firmly seated.

Check each bulb to see if the filament looks intact. Alternately if you have are electrical test for good bulbs you could remove each bulb, inspect that the leare in correct position down sides and test the bulb to see if it lights or at least an electrical path through it. Bad bulbs could be replaced and another placet.

Use a clothes pin to keep marked where in the string you have tested.

Put bad bulbs in a dish separate from spare bulbs.

Remember shunts make bad bulbs test good but they won't light. But they we prevent the good bulbs from lighting.

Using noncontact voltage tester you can follow the power as it goes around to string of bulbs. Plug in the string and start at the plug wire and follow the wire first bulb. Slide the bulb holder with its 2 wires away from the bundle of wire See if the noncontact voltage tester (NCVT) lights after you turn it on and ho close to the 2 wires. If it doesn't, unplug the string and reverse the plug to position 180 degrees from the first orientation and plug back in. See if the votester sees power at first bulb now. If it does move down the wire to next land holder and pull it away from bundle. You should see power on this bulb's wire Continue following the wire until you have no power. Mark spot with clothes Then test the bulb and the previous one. Unplug string and remove and test bulbs. Replace if bad and put bad bulbs in dish. Plug back in. Continue until string lights by repeating.